From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner **US Department of Commerce** United States Patent and Trademark Office, PCT 2011 South Clark Place Room CP2/5C24 Arlington, VA 22202 **ETATS-UNIS D'AMERIQUE**

in its capacity as elected Office

Date of mailing (day/month/year)	
03 April 2001 (03.04.01)	

International application No. PCT/US00/18896

International filing date (day/month/year) 12 July 2000 (12.07.00)

Priority date (day/month/year)

C75101

Applicant's or agent's file reference

12 July 1999 (12.07.99)

Applicant

MANDEL, Kenneth, G. et al

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	31 January 2001 (31.01.01)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Antonia Muller

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

REC'D	2 5	OCT	2001	
WIPO			PCT	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION		on of Transmittal of International examination Report (Form PCT/IPEA/416)
C75101 International application No.	International filing date (day/mor	nth/year)	Priority date (day/month/year)
PCT/US00/18896	12 July 2000 (12.07.2000)		12 July 1999 (12.07.1999)
International Patent Classification (IPC)	or national classification and IPC		
IPC(7): A61K 33/00, 31/44 and US Cl.:	424/717; 514/339		
Applicant			
SMITHKLINE BEECHAM CORPORA	TION		
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 			
2. This REPORT consists of	a total of 2 sheets, including	this cover she	et.
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			
These annexes consist of a	total of sheets.		
3. This report contains indica	ations relating to the following	items:	
I Basis of the rep	ort	`.	
II Priority			
III Non-establishme	ent of report with regard to novelty, inventive step and industrial applicability		
IV Lack of unity of	f invention		
	ement under Article 35(2) with regard to novelty, inventive step or industrial citations and explanations supporting such statement		
VI Certain docume	ents cited		
VII Certain defects	in the international application		
VIII Certain observa	vations on the international application		
Date of submission of the demand	Date	of completion	of this report
31 January 2001 (31.01.2001)	25 Se	ptember 2001 (25.09.2001)
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230 Authorized officer Minua Moezie Telephone No. (703)305-1235			()

Form PCT/IPEA/409 (cover sheet)(July 1998)



•		
nternational	application	No.

PCT/US00/18896

I.	Basi	s of the report			
1.	With	regard to the elements of the international application:*			
	\boxtimes	the international application as originally filed.			
	\boxtimes	the description:			
		pages 1-10 as originally filed pages NONE , filed with the demand			
		pages NONE , filed with the demand			
	K-3	pages NONE, filed with the letter of			
	\bowtie	the claims:			
		pages 11 and 12 , as originally filed			
		pages NONE , as amended (together with any statement) under Article 19 pages NONE , filed with the demand			
		pages NONE , filed with the letter of			
	\square	the drawings:			
		pages NONE , as originally filed			
		pages NONE , filed with the demand			
		pages NONE , filed with the letter of			
	П	the sequence listing part of the description:			
	ш				
		pages NONE , as originally filed pages NONE , filed with the demand			
		pages NONE , filed with the letter of			
2.	With	n regard to the language, all the elements marked above were available or furnished to this Authority in the			
	lang	uage in which the international application was filed, unless otherwise indicated under this item.			
	Thes	se elements were available or furnished to this Authority in the following language which is:			
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).			
		the language of publication of the international application (under Rule 48.3(b)).			
		the language of the translation furnished for the purposes of international preliminary examination(under Rules			
		55.2 and/or 55.3).			
3.	Witl	h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the			
	inter	national preliminary examination was carried out on the basis of the sequence listing:			
		contained in the international application in printed form.			
		filed together with the international application in computer readable form.			
		furnished subsequently to this Authority in written form.			
		furnished subsequently to this Authority in computer readable form.			
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the			
		international application as filed has been furnished.			
		The statement that the information recorded in computer readable form is identical to the written sequence listing			
		has been furnished.			
4.	\boxtimes	The amendments have resulted in the cancellation of:			
		No. 1. Acceptation and No. 10			
		the description, pages NONE			
		the claims, Nos. None			
		the drawings, sheets/fig NONE			
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go			
		beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
*	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in				
:/U **	s repo Anv	on as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.			
	, '				



International application No. PCT/US00/18896

INTERNATIONAL PRELIMINARY EXAM	MINATION R	EPORI		
V. Reasoned statement under Rule 66.2(a)(citations and explanations supporting su	(ii) with regar ich statement	d to novelty, inventive	step or industrial appli	cability;
1. STATEMENT				
Novelty (N)	Claims	1-12		YES
•	Claims	NONE		NO
Inventive Step (IS)	Claims	NONE		YES
	Claims	1-12		NO
Industrial Applicability (IA)	Claims	1-12		YES
, ()		NONE		NO
abstract, col. 1 lines 27-29, col. 12 line 38, and clair with water is within the instant claims and one of the claim 12, and col. 1 line 25. Phillips does not expressly discloses a method of treating or preventing heartburn symptoms in a method of treating or preventing heartburn is Phillips' composition would have been reasonably that the composition is expected to be useful in the Claims 1-12 meet the criteria of PCT Article 33(4) applicability in the pharmaceutical art.	eating or prevent skill in the art inptoms in a humen motivated to well known to be expected to ben treatment of he	at the time the invention was one of major symptoms effit the treatment of heartbartburn as well as other gas	de. See col. 12 lines 5-7 and coarticularly, in a human. as made to employ Phillips' on in a method of treating of gastric acid disorders. Turn in a human. Further, Platric acid disorders.	composition or preventing herefore, hillips teaches
NEW CITATIONS			* *****	
		·		

INTERNATIONAL SEARCH REPORT

International application No. PCT/US00/18896

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :A61K 33/00, 31/44 US CL :424/717: 514/329		
US CL :424/717; 514/339 According to International Patent Classification (IPC) or to b	ooth national classification and IPC	
B. FIELDS SEARCHED		
Minimum documentation searched (classification system folk	nued by classification symbols)	
U.S. : 424/717; 514/339, 819	and by cassification symbols,	
Province and add add and a series and add and a series an	at a manufactura made de composito por included in the Golde conseled	
Documentation searched other than minimum documentation to	the extent that such documents are included in the fields searched	
Electronic data base consulted during the international search	(name of data base and, where practicable, search terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT	·	
Category* Citation of document, with indication, where	e appropriate, of the relevant passages Relevant to claim No.	
X US 5,840,737 A (PHILLIPS) 24 document.	November 1998, see entire 1-12	
	·	
Further documents are listed in the continuation of Bo		
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier document published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which	considered novel of califor be considered to involve an invalidate step	
cited to establish the publication date of another citation or oth special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or oth	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is	
means "P" document published prior to the international filing date but later the priority date claimed	being obvious to a person skilled in the art	
Date of the actual completion of the international search	Date of mailing of the international search report	
12 AUGUST 2000 30 AUG 2000		
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 M. MOEZIE M. MOEZIE		
Washington, D.C. 20231	M. MOEZIE	
Facsimile No. (703) 305-3230	Telephone No. (703) 308-1235	

From the INTERNATIONAL SEARCHING AUTHORITY

To: DARA L. BENEAU THE BEECHAM SMITHKLINE BEECHAM CORPORATION CORPORATE INTELLEGIVAL PROPERTY, UNY 220 709 SWEDELAND ROAD, P.6. BOX 1539



KING OF PRUSSIA, PENNSYLVANIA 19406-0939	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION		
	(PCT Rule 44.1)		
·	Date of Mailing (day/month/year) 30 AUG 2000		
Applicant's or agent's file reference			
<u> </u>	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No.	International filing date		
PCT/US00/18896	(day/month/year) 12 JULY 2000		
Applicant SMITHKLINE BEECHAM CORPORATION			
1. X The applicant is hereby notified that the internations	al search report has been established and is transmitted herewith.		
Filing of amendments and statement under Artic			
When? The time limit for filing such amendm	ents is normally 2 months from the date of transmittal of the r more details, see the notes on the accompanying sheet.		
Where? Directly to the International Bureau of V 34, chemin des Colombe 1211 Geneva 20, Switze Facsimile No.: (41-22) 7	VIPO sttes rland		
For more detailed instructions, see the notes on	the accompanying sheet.		
2. The applicant is hereby notified that no international Article 17(2)(a) to that effect is transmitted herewith	l search report will be established and that the declaration under		
	additional fee(s) under Rule 40.2, the applicant is notified that:		
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.			
4. Further action(s): The applicant is reminded of the following	llowing:		
If the applicant wishes to avoid or postpone publication	ational application will be published by the International Bureau. 1, a notice of withdrawal of the international application, or of the provided in rules 90 bis 1 and 90 bis 3, respectively, before the nal publication.		
Within 19 months from the priority date, a demand for in wishes to postpone the entry into the national phase un	ternational preliminary examination must be filed if the applicant at 30 months from the priority date (in some Offices even later).		
Within 20 months from the priority date, the applicant m	nust perform the prescribed acts for entry into the national phase ted in the demand or in a later election within 19 months from the		
Name and mailing address of the ISA/US	Authorized offices		
Commissioner of Patents and Trademarks Box PCT	M. MOEZIE Budges		
Washington, D.C. 20231	Telephone No. (703) 308-1235		
Facsimile No. (703) 305-3230 Form PCT/ISA/220 (July 1998) *	(See notes on accompanying sheet)		
	(See notes on accompanying steet)		

From the INTERNATIONAL SEARCHING AUTHORITY

PCT To: DARA L. DINNER SMITHKLINE BEECHAM CORPORATION CORPORATE INTELLECTUAL PROPERTY, UW2220 709 SWEDELAND ROAD, P.O. BOX 1539 NOTIFICATION OF TRANSMITTAL OF KING OF PRUSSIA, PENNSYLVANIA 19406-0939 THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1) Date of Mailing (day/month/year) 30 AUG 2000 Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below C75101 International application No. International filing date (day/month/year) PCT/US00/18895 12 JULY 2000 Applicant SMITHKLINE BEECHAM CORPORATION The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet. Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication. Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later). Within 20 mouths from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II. Name and mailing address of the ISA/US Authorized officer Commissioner of Patents and Trademarks M. MOEZIE Box PCT

Facsimile No. (703) 305-3230 Form PCT/ISA/220 (July 1998)*

Washington, D.C. 20231

(See notes on accompanying sheet)

(703) 308-1235

Telephone No.



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference C75101	FOR FURTHER ACTION		Transmittal of International Search Report 0) as well as, where applicable, item 5 below.
International application No.	International filing dat	c (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US00/18896	12 JULY 2000		12 JULY 1999
Applicant SMITHKLINE BEECHAM CORPOR	ATION		
according to Article 18. A copy is beir	ng transmitted to the Inter	national Bureau.	thority and is transmitted to the applicant
This international search report consist	s of a total of 2 sheet	5.	
X It is also accompanied by a c			report.
1. Basis of the report			
a. With regard to the language, the	ne international search was	carried out on the ba	sis of the international application in the
language in which it was filed, the international search was Authority (Rule 23.1(b)).			e international application furnished to this
* '	and/or amino acid seque	ace disclosed in the in	ternational application, the international search
was carried out on the basis of contained in the internations	the sequence listing:		·
[-]			
filed together with the international application in computer readable form.			1.
furnished subsequently to the	furnished subsequently to this Authority in written form.		
furnished subsequently to the	furnished subsequently to this Authority in computer readable form.		
the statement that the subsectinternational application as	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.		
the statement that the informa furnished.	the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.		
Certain claims were found unsearchable (See Box I).			
3. Unity of invention is lacki	Unity of invention is lacking (See Box II).		
4. With regard to the title,			
x the text is approved as subm	nitted by the applicant.		
the text has been established	l by this Authority to rea	d as follows:	·
5. With regard to the abstract,			
X the text is approved as subm	nitted by the applicant.		
the text has been established Box III. The applicant may, search report, submit comm	within one month from th	(b), by this Authority se date of mailing of	as it appears in this international
6. The figure of the drawings to be p	ublished with the abstract	is Figure No.	
as suggested by the applican	nt.		None of the figures.
because the applicant failed	to suggest a figure.		Li rone of the figures.
because this figure better cl	naracterizes the invention.		ŕ
L		 	

Form PCT/ISA/210 (first sheet) (July 1998)*

International application No. PCT/US00/18896

A. CLASSIFICATION OF SUBJECT IPC(7): A61K 33/00, 31/44 US CL: 424/717; 514/339 According to International Patent Classifications	MATTER ution (IPC) or to both national classification and IPC
B. FIELDS SEARCHED	and the cy of the total indicated cansal realization and the
	cation system followed by classification symbols)
U.S. : 424/717; 514/339, 819	
Documentation searched other than minimum	n documentation to the extent that such documents are included in the fields searched
Electronic data base consulted during the in	sternational search (name of data base and, where practicable, search terms used)
C. DOCUMENTS CONSIDERED TO	BE RELEVANT
Category* Citation of document, with	indication, where appropriate, of the relevant passages Relevant to claim No.
X US 5,840,737 A (P) document.	HILLIPS) 24 November 1998, see entire 1-12
·	
Further documents are listed in the c	ontinuation of Box C. See patent family annex.
 Special estagories of cited documents: 'A' document defining the general state of the art to be of particular relevance 	"T" later document published after the international filing dete or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier document published on or after the i	considered moves or cannot be considered to madiae an inactinae such
L document which may throw doubts on prior cited to establish the publication date of a special reason (as specified)	
"O" document referring to an oral disclosure, means "P" document published prior to the international	use, exhibition or other combination being obvious to a person skilled in the art
the priority date claimed	or and the second of the second person second
Date of the actual completion of the internal 12 AUGUST 2000	Date of mailing of the international search report 30 AUG ZUUU
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer Lylu Brillians M. MOEZIE
Washington, D.C. 20231	This was the form one one

Form PCT/ISA/210 (second sheet) (July 1998)*

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